

IN THE CLAIMS:

61. **(Original)** A collapsible support structure comprising  
a plurality of interconnected frame sections each comprising

first and second elongated rigid members each having first and second ends, said first ends of the first and second elongated rigid members being operably connected together to form a first flexible joint, and

a collapsible elongated member operably connected between the second ends of the first and second elongated rigid members, said collapsible elongated member having a rigid state and a collapsed state and comprising

a pair of rigid tubular members having a portion of an elongated flexible tensioning member extending through said pair,

a rigidizing member mounted to move along said pair, said rigidizing member being moveable into a position to engage each rigid tubular member when said rigid tubular members are essentially axially aligned to form the rigid state of the collapsible elongated member,

said tensioning member being operably connected between the second ends of the first and second elongated rigid members to form second flexible joints thereat, each said second flexible joint being operably connected to an adjacent frame section.

62. **(Original)** A collapsible support structure comprising

a plurality of interconnected frame sections each comprising

a pair of elongated rigid members each having first and second ends, said first ends being operably connected by a flexible joint, and

a collapsible elongated member having a collapsed state and a rigid state, said collapsible elongated member including a pair of tubular members and an elongated flexible tensioning member extending through said tubular members and operably connected between the second ends of the first and second elongated rigid members and to adjacent frame sections to form at each second end a flexible joint.

63. **(Canceled)** A collapsible support structure comprising a plurality of strut elements arranged in a geodesic configuration to provide a plurality of interconnected essentially triangular frame sections, one of the strut elements of each triangular frame section being collapsible and including an elongated flexible tensioning member that connects adjacent frame sections, each frame section having corners with a flexible joint at each corner, at least some of the corners including a portion of said tensioning member.

64. **(Canceled)** The collapsible support structure of Claim 63 where at least some of the triangular frame sections form a side wall that has a base and a top, said base and top including the collapsible strut elements.

65. **(Canceled)** The collapsible support structure of Claim 64 where the collapsible strut elements in the base form into a pentagon polygon when in a rigid state, and the collapsible strut elements in the top form into a pentagon polygon when in a rigid state.

66. **(Canceled)** The collapsible support structure of Claim 63 where geodesic configuration is substantially in the form of a truncated icosahedron.

67. (Canceled) A collapsible geodesic support structure comprising a plurality of essentially triangular frame sections each having corners interconnected by flexible joints, at least some of the joints including an elongated flexible tensioning member, each triangular frame section including a pair of elongated rigid members and a tubular member having a collapsed state and a rigid state, with the tensioning member passing through the tubular member.

68. (Canceled) The collapsible support structure of Claim 67 where the tubular member includes

- a pair of rigid tubular members having a portion of the elongated flexible tensioning member extending through said pair, and

- a rigidizing member mounted to move along said pair, said rigidizing member being moveable into a position to engage each rigid tubular member when said rigid tubular members are essentially axially aligned to form the rigid state of the tubular member.

69. (Canceled) A collapsible support structure comprising

- a plurality of essentially triangular frame sections each having corners interconnected by flexible joints, at least some of the joints including an elongated flexible tensioning member,

- each triangular frame section including a pair of elongated rigid members and a tubular member having a collapsed state and a rigid state, said tensioning member passing through the tubular member, and

a predetermined number of said frame sections forming a side wall having a base and a top, said base and top each including the tubular members of said predetermined number of said frame sections .

70. **(Canceled)** A collapsible geodesic support structure comprising

a plurality of essentially triangular frame sections, each having corners interconnected by flexible joints, at least some of the joints including an elongated flexible tensioning member,

a first predetermined number of said frame sections forming a side wall having a top, said top including a plurality of collapsible tubular members connected from end to end by the flexible tensioning member extending through the collapsible tubular members to form a polygon structure having a circumference that is changed to move said frame sections from a state forming the geodesic support structure into a collapsed condition.

71. **(Canceled)** The collapsible geodesic support structure of Claim 70 including a second predetermined number of said frame sections forming a roof having an edge in common with the top and including said tubular members, said roof being folded into the geodesic support structure as said geodesic support structure assumes the collapsed condition.

72. **(Canceled)** The collapsible geodesic support structure of Claim 70 where the flexible tensioning member has opposed terminal ends that are drawn together to decrease the circumference of the polygon structure and separated to increase said circumference.